



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

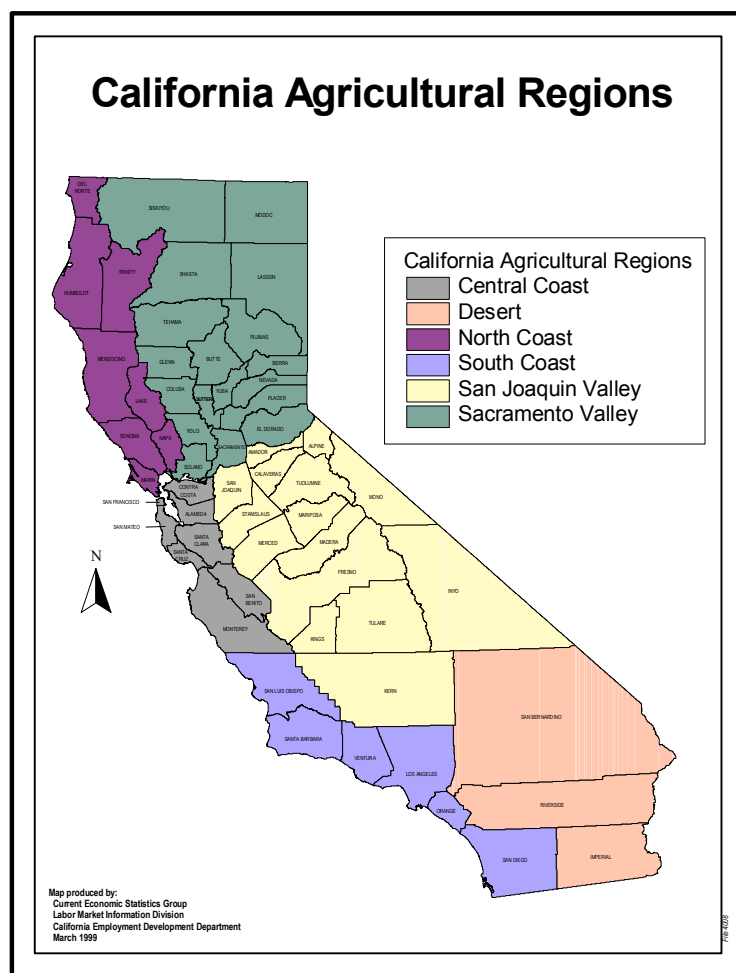
May 2003
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Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from 5 to 17 within each of the 6 geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Summary

Employment

Total Agricultural Production and Services employment for May 2003 increased 37,300 jobs over the previous month, a gain of ten percent. The largest increase was seen in Agricultural Production, of 22,200 jobs. Farm Labor Contractor Services registered the largest increase for the month with a gain of 13,900 jobs. A significant increase was also seen in Berry crops, where 6,100 jobs were added. The largest decrease for the month was seen in the Production of Chicken Eggs category where 1,800 jobs were lost. It is normal for both Agricultural Production and Agricultural Services to show increases from April to May. In the breakdown of the regions, total agricultural employment increased 11.5 percent or 20,300 jobs in San Joaquin Valley. All other regions also showed increases.

Total Agricultural Average Hourly Earning increased to \$8.49 per hour in May, an increase of three cents from April 2003. Total Agricultural Services increased four cents and Total Agricultural Livestock Production increased three cents, while Agricultural Crop Production increased by one cent.

Production and Crop Activity

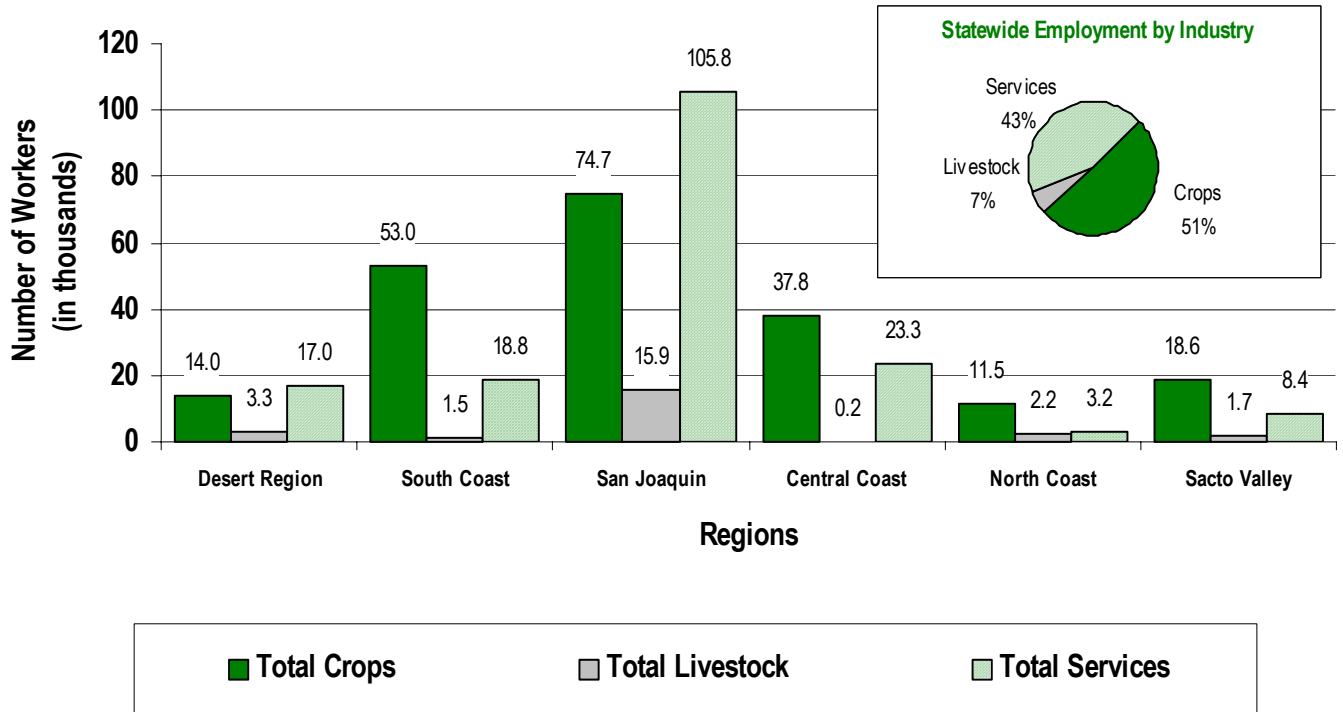
Harvesting proceeded in mature grain fields. Oats were harvested; straw was windrowed, baled, and stacked. Harvested oat fields were disced in preparation for the next crop. Fields of wheat, oats, and barley planted as forage were harvested for silage or cut and windrowed for drying. Alfalfa hay was cut, windrowed, dried and baled. Cotton planting resumed following weather-related delays, and was nearing completion in some areas. Cotton growers were fertilizing, cultivating, and irrigating the crop. Ground preparation and planting of rice fields continued, with weed treatments made as necessary. Weed problems in rice fields have been more pronounced than in previous years, due to the recent cool temperatures and rainfall. Cultivation and irrigation of sugar beet fields was underway, with disease control treatments made as necessary. Dry lima bean planting was underway. A few new cornfields were planted. Vegetable field activities such as thinning, weeding, irrigating, and treatments for insects and disease control continued. Cantaloupe, bell pepper, watermelon, honeydew, and freezer lima bean planting continued. Irrigation and weed control activity continued in processing tomato fields. Some tomato transplanting occurred. Harvesting of spring potatoes was ongoing. Onions harvested for fresh market sales were bagged and drying. Lettuce harvest continued in the San Joaquin Valley. Small leeks, red onions, squash, and sweet peas were picked in the Central Valley. Watermelon harvesting began in the Imperial Valley. The following vegetables were also harvested during the month of May: artichokes, asparagus, basil, bok choy, broccoli, cabbage, carrots, cauliflower, celery, cilantro, fava beans, green beans, green onions, mustard greens, parsley, radicchio, and spinach.

Damage to crops from earlier storms became more evident in apple, cherry, nectarine, peach, plum, and pluot orchards. Cultural activities in tree fruit orchards included irrigation, fruit thinning, and disease and pest control treatments. Growers cultivated, fertilized, and treated vineyards with fungicides and insecticides as necessary. Shoot thinning and sucker removal continued in some table grape vineyards. Stone fruit harvesting continued. Blueberries, cherries, nectarines, peaches, and apricots were picked and packed. Harvest of the Navel orange crop slowed, while Valencia orange harvest continued to gain momentum. Lemons were harvested in the Central Valley. Strawberry harvesting was in full swing due to the warmer weather. Apple growers applied treatments to control insect and disease problems. Irrigation and treatments to control diseases and insect pests were made in almond, walnut, pecan, and pistachio orchards. Walnuts were treated for codling moth and blight.

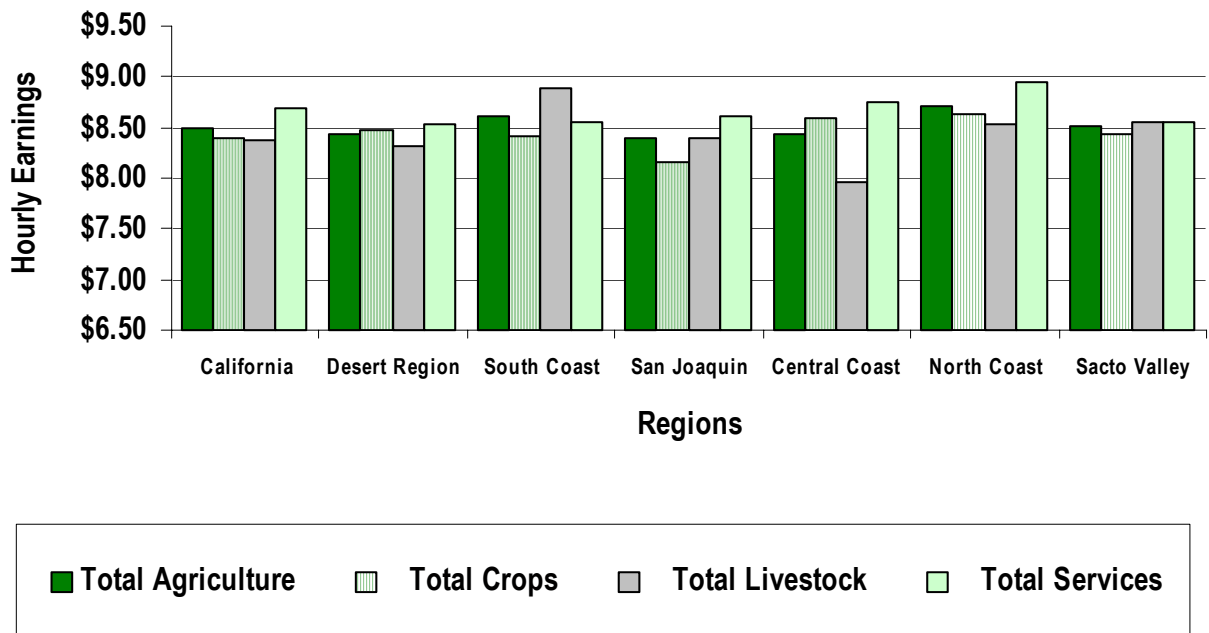
Cattle were shipped to market or to summer pastures. Most lambs have been shipped in Central and Southern California. Bees were moved to melon, alfalfa, and vegetable fields.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	410.9	373.6	420.8
Total Agricultural Production/Crops	209.6	187.4	216.5
Cash Grains	3.2	2.7	2.6
Rice	2.1	1.8	1.8
Other Cash Grains	1.1	0.9	0.8
Field Crops Except Grains	10.8	9.7	11.3
Cotton	5.1	5.0	5.5
Other Field Crops	5.7	4.7	5.8
Vegetables and Melons	35.7	33.4	36.4
Total Fruits and Tree Nuts	94.4	79.1	99.7
Berries	26.9	20.8	27.3
Grapes	35.9	32.8	37.8
Tree Nuts	7.4	6.8	7.5
Citrus Fruits	2.9	2.9	3.7
Deciduous Tree Fruit	13.4	9.3	14.6
Other Fruits & Nuts	7.9	6.5	8.8
Total Horticultural Specialties	38.6	38.1	38.8
Ornamental Floral & Nursery	35.3	34.9	35.4
Food Crops Grown Under Cover	3.3	3.2	3.4
General Farm Primarily Crop	26.9	24.4	27.7
Agricultural Production/Livestock	24.8	27.5	26.8
Beef Cattle Feed Lots	0.2	0.7	0.8
Beef Cattle Except Feed Lots	2.8	2.9	3.1
Dairy Farms	16.2	16.2	16.3
Chicken Eggs	0.6	2.4	1.1
Turkey & Turkey Eggs	0.7	0.7	0.8
Other Livestock	4.3	4.6	4.7
Total Agricultural Services	176.5	158.7	177.5
Soil Preparation Services	2.0	1.5	0.9
Crop Services	43.8	41.9	44.0
Plant Cultivate & Protection	6.2	6.4	5.8
Harvest Primarily by Machine	5.3	5.1	5.8
Preparation Services for Market	31.7	29.7	31.8
Cotton Ginning	0.6	0.7	0.6
Total Farm Labor & Management	130.7	115.3	132.6
Farm Labor Contractors	118.4	104.5	119.9
Farm Management Services	12.3	10.8	12.7

Average Hourly Earnings (In dollars per hour)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	8.49	8.46	8.39
Total Agricultural Production/Crops	8.39	8.38	8.33
Cash Grains	8.49	8.44	8.30
Rice	8.65	8.68	8.30
Other Cash Grains	8.34	8.20	8.30
Field Crops Except Grains	8.30	8.26	8.41
Cotton	8.18	8.17	8.43
Other Field Crops	8.43	8.35	8.40
Vegetables and Melons	8.50	8.47	8.45
Total Fruits and Tree Nuts	8.34	8.37	8.27
Berries	8.09	8.15	8.18
Grapes	8.46	8.43	8.33
Tree Nuts	8.34	8.50	8.31
Citrus Fruits	8.41	8.45	8.23
Deciduous Tree Fruit	8.28	8.27	8.12
Other Fruits & Nuts	8.45	8.44	8.45
Total Horticultural Specialties	8.40	8.41	8.36
Ornamental Floral & Nursery	8.55	8.56	8.43
Food Crops Grown Under Cover	8.26	8.27	8.30
General Farm Primarily Crop	8.31	8.30	8.20
Agricultural Production/Livestock	8.38	8.35	8.25
Beef Cattle Feed Lots	8.23	8.06	8.08
Beef Cattle Except Feed Lots	8.67	8.58	8.44
Dairy Farms	8.70	8.70	8.49
Chicken Eggs	8.07	8.05	7.98
Turkey & Turkey Eggs	8.09	8.22	7.98
Other Livestock	8.54	8.51	8.52
Total Agricultural Services	8.69	8.65	8.59
Soil Preparation Services	8.72	8.69	8.64
Crop Services	8.91	8.79	8.69
Plant Cultivate & Protection	8.73	8.71	8.64
Harvest Primarily by Machine	8.79	8.78	8.72
Preparation Services for Market	8.35	8.34	8.26
Cotton Ginning	9.78	9.34	9.17
Total Farm Labor & Management	8.43	8.47	8.42
Farm Labor Contractors	8.18	8.26	8.22
Farm Management Services	8.69	8.67	8.63

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	61.3	55.6	63.9
Total Agricultural Production/Crops	37.8	31.0	39.8
Cash Grains	0.0	0.1	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.1	0.0
Field Crops Except Grains	0.3	0.0	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.3	0.0	0.2
Vegetables and Melons	15.4	13.7	15.7
Total Fruits and Tree Nuts	10.2	5.3	11.5
Berries	8.6	3.8	9.4
Grapes	1.1	1.1	1.1
Tree Nuts	0.1	0.0	0.0
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.3	0.3
Other Fruits & Nuts	0.3	0.1	0.7
Total Horticultural Specialties	9.8	10.0	10.1
Ornamental Floral & Nursery	7.6	7.8	7.9
Food Crops Grown Under Cover	2.2	2.2	2.2
General Farm Primarily Crop	2.1	1.9	2.3
Agricultural Production/Livestock	0.2	0.1	0.1
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.0
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.1	0.0
Turkey & Turkey Eggs	0.2	0.0	0.0
Other Livestock	0.0	0.0	0.0
Total Agricultural Services	23.3	24.5	24.0
Soil Preparation Services	0.9	0.8	0.0
Crop Services	8.1	8.3	9.3
Plant Cultivate & Protection	0.0	1.0	0.0
Harvest Primarily by Machine	1.8	1.6	1.9
Preparation Services for Market	6.3	5.7	6.6
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	14.3	15.4	14.7
Farm Labor Contractors	13.1	14.4	13.5
Farm Management Services	1.2	1.0	1.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	8.43	8.51	8.58
Total Agricultural Production/Crops	8.60	8.52	8.44
Cash Grains	na	8.11	na
Rice	na	na	na
Other Cash Grains	na	8.11	na
Field Crops Except Grains	8.56	na	8.51
Cotton	na	na	na
Other Field Crops	8.56	na	8.51
Vegetables and Melons	9.13	9.10	8.76
Total Fruits and Tree Nuts	8.37	8.44	8.35
Berries	8.61	8.61	8.51
Grapes	8.68	8.68	8.33
Tree Nuts	8.06	na	na
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.01	8.02	8.07
Other Fruits & Nuts	8.48	8.46	8.50
Total Horticultural Specialties	8.55	8.56	8.38
Ornamental Floral & Nursery	8.56	8.56	8.45
Food Crops Grown Under Cover	8.54	8.55	8.31
General Farm Primarily Crop	8.37	8.37	8.19
Agricultural Production/Livestock	7.96	8.30	8.64
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	na
Dairy Farms	na	na	8.64
Chicken Eggs	na	8.30	na
Turkey & Turkey Eggs	7.96	na	na
Other Livestock	na	na	na
Total Agricultural Services	8.74	8.71	8.67
Soil Preparation Services	8.79	8.80	na
Crop Services	8.82	8.78	8.73
Plant Cultivate & Protection	na	8.72	na
Harvest Primarily by Machine	9.15	9.16	8.98
Preparation Services for Market	8.49	8.47	8.48
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.62	8.55	8.61
Farm Labor Contractors	8.27	8.31	8.30
Farm Management Services	8.96	8.78	8.92

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	34.3	33.2	36.7
Total Agricultural Production/Crops	14.0	11.8	14.7
Cash Grains	0.1	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.0	0.0
Field Crops Except Grains	1.4	1.6	1.4
Cotton	0.0	0.0	0.1
Other Field Crops	1.4	1.6	1.3
Vegetables and Melons	3.3	3.0	3.5
Total Fruits and Tree Nuts	4.4	3.7	5.1
Berries	0.2	0.0	0.0
Grapes	2.6	2.3	3.0
Tree Nuts	0.2	0.0	0.2
Citrus Fruits	0.0	0.0	0.5
Deciduous Tree Fruit	0.0	0.0	0.0
Other Fruits & Nuts	1.4	1.4	1.4
Total Horticultural Specialties	1.6	1.3	1.4
Ornamental Floral & Nursery	1.6	1.3	1.4
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	3.2	2.2	3.3
Agricultural Production/Livestock	3.3	5.5	4.4
Beef Cattle Feed Lots	0.0	0.3	0.3
Beef Cattle Except Feed Lots	0.0	0.6	0.6
Dairy Farms	2.7	2.8	2.9
Chicken Eggs	0.0	1.2	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	0.6	0.6
Total Agricultural Services	17.0	15.9	17.6
Soil Preparation Services	0.2	0.0	0.2
Crop Services	5.0	4.5	4.7
Plant Cultivate & Protection	0.6	0.6	0.5
Harvest Primarily by Machine	0.9	0.8	1.0
Preparation Services for Market	3.5	3.0	3.1
Cotton Ginning	0.0	0.1	0.1
Total Farm Labor & Management	11.8	11.4	12.7
Farm Labor Contractors	9.3	9.2	9.8
Farm Management Services	2.5	2.2	2.9

Average Hourly Earnings (In dollars per hour)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	8.44	8.35	8.33
Total Agricultural Production/Crops	8.47	8.50	8.26
Cash Grains	8.64	na	na
Rice	na	na	na
Other Cash Grains	8.64	na	na
Field Crops Except Grains	8.89	8.89	8.58
Cotton	na	na	8.65
Other Field Crops	8.89	8.89	8.51
Vegetables and Melons	8.34	8.35	8.32
Total Fruits and Tree Nuts	8.32	8.62	8.22
Berries	7.84	na	na
Grapes	8.64	8.65	8.02
Tree Nuts	8.17	na	8.15
Citrus Fruits	na	na	8.11
Deciduous Tree Fruit	na	na	na
Other Fruits & Nuts	8.61	8.59	8.60
Total Horticultural Specialties	8.38	8.39	8.15
Ornamental Floral & Nursery	8.38	8.39	8.15
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	8.25	8.26	8.02
Agricultural Production/Livestock	8.32	8.09	8.21
Beef Cattle Feed Lots	na	7.93	7.84
Beef Cattle Except Feed Lots	na	8.25	8.48
Dairy Farms	8.49	8.49	8.37
Chicken Eggs	na	7.62	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.14	8.15	8.16
Total Agricultural Services	8.52	8.47	8.53
Soil Preparation Services	8.73	na	8.75
Crop Services	8.55	8.63	8.49
Plant Cultivate & Protection	8.54	8.54	8.49
Harvest Primarily by Machine	8.98	8.99	8.81
Preparation Services for Market	8.12	8.12	7.95
Cotton Ginning	na	8.88	8.72
Total Farm Labor & Management	8.30	8.30	8.34
Farm Labor Contractors	8.13	8.13	8.19
Farm Management Services	8.46	8.47	8.48

na = not available

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	16.9	15.1	17.3
Total Agricultural Production/Crops	11.5	11.2	12.6
Cash Grains	0.0	0.1	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.1	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	0.1	0.1	0.2
Total Fruits and Tree Nuts	9.6	9.1	10.3
Berries	0.0	0.0	0.0
Grapes	9.1	8.5	9.5
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.5	0.6	0.6
Other Fruits & Nuts	0.0	0.0	0.1
Total Horticultural Specialties	1.4	1.6	1.8
Ornamental Floral & Nursery	1.4	1.6	1.6
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.4	0.3	0.3
Agricultural Production/Livestock	2.2	1.4	1.4
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.3	0.2	0.0
Dairy Farms	1.2	0.9	0.9
Chicken Eggs	0.2	0.1	0.1
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.2	0.4
Total Agricultural Services	3.2	2.5	3.3
Soil Preparation Services	0.1	0.1	0.1
Crop Services	0.0	0.0	0.0
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	3.1	2.4	3.2
Farm Labor Contractors	0.0	0.3	0.5
Farm Management Services	3.1	2.1	2.7

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	8.70	8.69	8.59
Total Agricultural Production/Crops	8.63	8.62	8.57
Cash Grains	na	8.63	na
Rice	na	na	na
Other Cash Grains	na	8.63	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.68	8.66	8.67
Total Fruits and Tree Nuts	8.62	8.62	8.61
Berries	na	na	na
Grapes	8.56	8.55	8.59
Tree Nuts	na	na	8.49
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.68	8.68	8.74
Other Fruits & Nuts	na	na	8.60
Total Horticultural Specialties	8.92	8.93	8.56
Ornamental Floral & Nursery	8.92	8.93	8.68
Food Crops Grown Under Cover	na	na	8.44
General Farm Primarily Crop	8.29	8.26	8.43
Agricultural Production/Livestock	8.53	8.51	8.56
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.33	8.32	na
Dairy Farms	8.52	8.52	8.27
Chicken Eggs	8.51	8.54	8.49
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.74	8.67	8.92
Total Agricultural Services	8.95	8.95	8.65
Soil Preparation Services	8.62	8.61	8.63
Crop Services	na	na	na
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	na
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.93	8.80	8.66
Farm Labor Contractors	na	8.65	8.49
Farm Management Services	8.93	8.94	8.83

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	73.3	69.7	75.0
Total Agricultural Production/Crops	53.0	51.0	54.6
Cash Grains	0.1	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.0	0.1
Field Crops Except Grains	0.2	0.0	0.4
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.0	0.4
Vegetables and Melons	8.2	7.8	8.3
Total Fruits and Tree Nuts	22.4	21.4	23.7
Berries	17.6	16.8	17.9
Grapes	1.7	1.4	2.1
Tree Nuts	0.2	0.1	0.0
Citrus Fruits	1.3	1.7	1.5
Deciduous Tree Fruit	0.0	0.0	0.4
Other Fruits & Nuts	1.6	1.4	1.8
Total Horticultural Specialties	18.4	18.2	18.3
Ornamental Floral & Nursery	17.7	17.4	17.5
Food Crops Grown Under Cover	0.7	0.8	0.8
General Farm Primarily Crop	3.7	3.6	3.8
Agricultural Production/Livestock	1.5	1.9	1.8
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.4	0.3	0.3
Dairy Farms	0.1	0.0	0.0
Chicken Eggs	0.0	0.5	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.0	1.1	1.1
Total Agricultural Services	18.8	16.8	18.6
Soil Preparation Services	0.2	0.0	0.0
Crop Services	3.2	3.1	3.1
Plant Cultivate & Protection	0.9	0.4	0.5
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	2.3	2.7	2.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	15.4	13.7	15.5
Farm Labor Contractors	13.6	12.2	13.8
Farm Management Services	1.8	1.5	1.7

Average Hourly Earnings (In dollars per hour)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	8.62	8.52	8.39
Total Agricultural Production/Crops	8.41	8.34	8.37
Cash Grains	8.64	na	8.66
Rice	na	na	na
Other Cash Grains	8.64	na	8.66
Field Crops Except Grains	8.52	na	8.47
Cotton	na	na	na
Other Field Crops	8.52	na	8.47
Vegetables and Melons	8.17	8.20	8.34
Total Fruits and Tree Nuts	8.30	8.30	8.24
Berries	7.51	7.48	7.85
Grapes	8.46	8.44	8.47
Tree Nuts	8.36	8.34	na
Citrus Fruits	8.49	8.58	8.41
Deciduous Tree Fruit	na	na	7.86
Other Fruits & Nuts	8.69	8.68	8.60
Total Horticultural Specialties	8.48	8.51	8.40
Ornamental Floral & Nursery	8.58	8.63	8.66
Food Crops Grown Under Cover	8.37	8.38	8.13
General Farm Primarily Crop	8.36	8.36	8.12
Agricultural Production/Livestock	8.90	8.73	8.36
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	9.47	9.47	8.63
Dairy Farms	8.68	na	na
Chicken Eggs	na	8.16	7.99
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.54	8.55	8.46
Total Agricultural Services	8.56	8.49	8.45
Soil Preparation Services	8.76	na	na
Crop Services	8.59	8.61	8.52
Plant Cultivate & Protection	8.87	8.90	8.85
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	8.31	8.32	8.19
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.32	8.37	8.39
Farm Labor Contractors	8.03	8.05	8.20
Farm Management Services	8.61	8.68	8.57

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	196.4	176.1	200.6
Total Agricultural Production/Crops	74.7	66.2	76.3
Cash Grains	0.7	0.5	0.3
Rice	0.3	0.1	0.0
Other Cash Grains	0.4	0.4	0.3
Field Crops Except Grains	8.2	7.5	8.6
Cotton	5.1	5.0	5.4
Other Field Crops	3.1	2.5	3.2
Vegetables and Melons	6.7	7.3	6.7
Total Fruits and Tree Nuts	40.3	33.0	41.5
Berries	0.5	0.2	0.0
Grapes	20.2	18.1	20.7
Tree Nuts	4.5	4.3	4.8
Citrus Fruits	1.6	1.2	1.7
Deciduous Tree Fruit	9.8	6.4	10.4
Other Fruits & Nuts	3.7	2.8	3.9
Total Horticultural Specialties	5.1	4.9	5.0
Ornamental Floral & Nursery	4.7	4.7	4.8
Food Crops Grown Under Cover	0.4	0.2	0.2
General Farm Primarily Crop	13.7	13.0	14.2
Agricultural Production/Livestock	15.9	17.1	17.3
Beef Cattle Feed Lots	0.2	0.4	0.4
Beef Cattle Except Feed Lots	1.6	1.4	1.6
Dairy Farms	11.4	11.9	11.9
Chicken Eggs	0.4	0.5	0.6
Turkey & Turkey Eggs	0.5	0.7	0.8
Other Livestock	1.8	2.2	2.0
Total Agricultural Services	105.8	92.8	107.0
Soil Preparation Services	0.6	0.6	0.6
Crop Services	24.9	23.4	25.3
Plant Cultivate & Protection	3.8	3.6	4.0
Harvest Primarily by Machine	2.3	2.3	2.5
Preparation Services for Market	18.2	16.9	18.3
Cotton Ginning	0.6	0.6	0.5
Total Farm Labor & Management	80.3	68.8	81.1
Farm Labor Contractors	76.8	65.0	77.1
Farm Management Services	3.5	3.8	4.0

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	8.39	8.37	8.28
Total Agricultural Production/Crops	8.15	8.13	8.14
Cash Grains	8.18	8.22	7.96
Rice	8.60	8.66	na
Other Cash Grains	7.76	7.77	7.96
Field Crops Except Grains	8.05	8.03	8.22
Cotton	8.18	8.17	8.21
Other Field Crops	7.91	7.89	8.22
Vegetables and Melons	8.13	7.99	8.18
Total Fruits and Tree Nuts	8.34	8.32	8.15
Berries	8.38	8.36	na
Grapes	8.09	8.00	8.31
Tree Nuts	8.71	8.72	8.33
Citrus Fruits	8.33	8.31	8.18
Deciduous Tree Fruit	8.24	8.23	7.78
Other Fruits & Nuts	8.26	8.27	8.13
Total Horticultural Specialties	8.09	8.10	8.29
Ornamental Floral & Nursery	8.31	8.32	8.24
Food Crops Grown Under Cover	7.86	7.87	8.33
General Farm Primarily Crop	8.12	8.13	8.05
Agricultural Production/Livestock	8.39	8.38	8.20
Beef Cattle Feed Lots	8.23	8.19	8.16
Beef Cattle Except Feed Lots	8.46	8.42	8.23
Dairy Farms	9.05	9.06	8.63
Chicken Eggs	7.63	7.62	7.47
Turkey & Turkey Eggs	8.21	8.22	7.98
Other Livestock	8.78	8.76	8.72
Total Agricultural Services	8.61	8.59	8.50
Soil Preparation Services	8.68	8.65	8.55
Crop Services	8.83	8.81	8.78
Plant Cultivate & Protection	8.74	8.71	8.68
Harvest Primarily by Machine	8.39	8.32	8.46
Preparation Services for Market	8.42	8.41	8.37
Cotton Ginning	9.78	9.79	9.61
Total Farm Labor & Management	8.33	8.31	8.16
Farm Labor Contractors	8.09	8.05	7.98
Farm Management Services	8.56	8.57	8.34

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	28.7	23.9	28.3
Total Agricultural Production/Crops	18.6	16.2	18.5
Cash Grains	2.3	2.0	2.2
Rice	1.8	1.7	1.8
Other Cash Grains	0.5	0.3	0.4
Field Crops Except Grains	0.7	0.6	0.7
Cotton	0.0	0.0	0.0
Other Field Crops	0.7	0.6	0.7
Vegetables and Melons	2.0	1.5	2.0
Total Fruits and Tree Nuts	7.5	6.6	7.6
Berries	0.0	0.0	0.0
Grapes	1.2	1.4	1.4
Tree Nuts	2.4	2.4	2.4
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	3.0	2.0	2.9
Other Fruits & Nuts	0.9	0.8	0.9
Total Horticultural Specialties	2.3	2.1	2.2
Ornamental Floral & Nursery	2.3	2.1	2.2
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	3.8	3.4	3.8
Agricultural Production/Livestock	1.7	1.5	1.8
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.5	0.4	0.6
Dairy Farms	0.8	0.6	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.5	0.6
Total Agricultural Services	8.4	6.2	8.0
Soil Preparation Services	0.0	0.0	0.0
Crop Services	2.6	2.6	2.6
Plant Cultivate & Protection	0.9	0.8	0.8
Harvest Primarily by Machine	0.3	0.4	0.4
Preparation Services for Market	1.4	1.4	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	5.8	3.6	5.4
Farm Labor Contractors	5.6	3.4	5.2
Farm Management Services	0.2	0.2	0.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2003	Apr 2003	May 2002
Total Agriculture	8.51	8.49	8.38
Total Agricultural Production/Crops	8.44	8.42	8.33
Cash Grains	8.51	8.50	8.30
Rice	8.69	8.70	8.30
Other Cash Grains	8.32	8.30	8.29
Field Crops Except Grains	8.26	8.26	8.28
Cotton	na	na	na
Other Field Crops	8.26	8.26	8.28
Vegetables and Melons	8.57	8.54	8.40
Total Fruits and Tree Nuts	8.29	8.26	8.24
Berries	na	na	na
Grapes	8.33	8.24	8.25
Tree Nuts	8.42	8.43	8.28
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.17	8.14	8.17
Other Fruits & Nuts	8.23	8.22	8.25
Total Horticultural Specialties	8.54	8.52	8.38
Ornamental Floral & Nursery	8.54	8.52	8.38
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	8.48	8.44	8.39
Agricultural Production/Livestock	8.55	8.52	8.39
Beef Cattle Feed Lots	na	na	8.24
Beef Cattle Except Feed Lots	8.41	8.42	8.41
Dairy Farms	8.76	8.74	8.56
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.49	8.40	8.33
Total Agricultural Services	8.54	8.53	8.43
Soil Preparation Services	na	na	na
Crop Services	8.60	8.58	8.48
Plant Cultivate & Protection	8.76	8.70	8.53
Harvest Primarily by Machine	8.64	8.64	8.63
Preparation Services for Market	8.39	8.40	8.29
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.49	8.48	8.38
Farm Labor Contractors	8.37	8.35	8.15
Farm Management Services	8.61	8.60	8.61

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the State's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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